

Subcommittee on Spatial Water Data

Meeting Details:

Date/Time: March 22, 2019 1:00 - 2:00 PM Eastern Time

Location: Teleconference only (administered from USGS Headquarters, 12201 Sunrise Valley Drive, Reston, VA 20192)

PLEASE USE THIS LINK, THEN FOLLOW INSTRUCTIONS TO JOIN *EITHER* BY PHONE OR COMPUTER AUDIO : <https://zoom.us/j/7055398097>

If ONLY dialing in by telephone:

Dial: 1-669-900-6833 or 1-646-558-8665

Meeting ID: 705 539 8097

PLEASE FIRST CLICK THE LINK ABOVE TO JOIN THE CALL, THEN FOLLOW INSTRUCTIONS AND ENTER YOUR ATTENDEE ID WHEN PROMPTED IF DIALING IN BY PHONE. IGNORE THE WARNING THAT YOU MUST USE COMPUTER AUDIO TO BE HEARD. EITHER PHONE OR COMPUTER AUDIO SHOULD WORK.

NOTE: THIS WEB MEETING WILL BE RECORDED TO AID IN NOTE TAKING. THE NOTES ARE THE OFFICIAL MEETING RECORD.

Agenda

All Times Eastern Time Zone

1:00 - 1:05 Introductions for new attendees

1:05 - 1:10 ACWI-SSWD GitHub

1:10 - 1:20 OPEN Government Data Act

1:20 - 1:30 Waters of the US (WOTUS) proposed change

1:30 - 1:55 Other business and announcements

1:55 - 2:00 Adjourn

Attendees

New Attendees

Returning Attendees

Al Rea, USGS (ahrea@usgs.gov)
Jane Schafer-Kramer, CA DWR (jane.schafer-kramer@water.ca.gov)
Sue Buto, USGS (sbuto@usgs.gov)
Jennifer McGee, Wood (jenna.mcgee@woodplc.com)
Mark Sondheim, NRCAN (mark.sondheim@canada.ca)
Kevin McNinch, USGS (klmcninch@usgs.gov)
Greg Cocks (gcocks@usgs.gov)
Allison Odell (aodell@usbr.gov)
Mike Eberle, USDA - FS (mbeberle@fs.fed.us)
Dave Blodgett, USGS (dblodgett@usgs.gov)
Steve Aichele, USGS (saichele@usgs.gov)
Kelly Bennett, B3 (kbennett@b3insight.com)
Jim Kreft (jkreft@usgs.gov)
Dean Djokic (ddjokic@esri.com)
Michael Tinker, mdtinker@usgs.gov
Dan Sullivan (djsulliv@usgs.gov)
Chris Mickle (cmickle@trccompanies.com)
Pete Steeves (psteeves@usgs.gov)
Tara Manno (tara.manno@mass.gov)

1:05 - 1:10 ACWI-SSWD GitHub

[ACWI-SSWD GitHub](#)

- A shared GitHub organization for the development of open-source community projects.
- Contact dblodgett@usgs.gov to get added to the organization and get a repository.
- Projects should be licensed CC0 (public domain) or equivalent.
- All contributions should have appropriate caveats and disclaimers.
E.g.

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- All repositories should have contribution guidelines and a clear statement regarding the level of support the software has. If ongoing support and development, describe that support in the README.
 - e.g. This source code is provided as is. No ongoing support is available for its maintenance. While bug reports and feature requests are welcome, the publisher may not have time or resources to reply or address issues.
 - e.g. This software is supported by a grant from XYZ. The project will be developed and supported through October 2021 toward the goals outlined in the repository issues and summary materials elsewhere. There is no implied support beyond the life of the project.
 - Consider categories here for further ideas: <https://owi.usgs.gov/R/packages.html>
- All policies and procedures for your home organization or agency should be followed (e.g. USGS-FSP and software release policy). That is, the ACWI-SSWD can provide a shared repository or home of last resort, it does not replace other policies or requirements for ongoing work.
- A possible model is ODM2 - see <https://github.com/ODM2/>

1:10 - 1:20 OPEN Government Data Act

- The Open, Public, Electronic and Necessary (OPEN) Government Data Act was signed by President Jan 14
 - <https://www.congress.gov/bill/115th-congress/house-bill/4174/text>
 - <https://www.datacoalition.org/press-releases/president-signs-government-wide-open-data-bill/>
 - <https://bipartisanpolicy.org/blog/fact-sheet-foundations-for-evidence-based-policy-making-act/>
 - OMB expects to release a [one-year draft action plan](#) for the data strategy soon

1:20 - 1:30 Waters of the US (WOTUS) proposed change

- Press Release:
<https://www.epa.gov/newsreleases/epa-and-army-propose-new-waters-united-states-definition>
- Factsheets on Proposed Rule:
<https://www.epa.gov/wotus-rule/proposed-revised-definition-wotus-factsheets>
- Infographic for Proposed Rule:
<https://www.epa.gov/wotus-rule/proposed-revised-definition-wotus-infographic>
- Document here:
<https://www.federalregister.gov/documents/2019/02/14/2019-00791/revised-definition-of-waters-of-the-united-states>

Substantial section on mapping of [WOTUS starting p 160](#) of this doc version of proposed ruling.. This may be Section IV “ State, Tribal and Federal Agency Datasets of “Waters of the United States” “ starting on page 4198 of the Federal Register document at <https://www.govinfo.gov/content/pkg/FR-2019-02-14/pdf/2019-00791.pdf>

Proposed rule was published on Valentine's Day, the comment period is currently through 4/15.

1:45 - 1:55 Other business and announcements

- Third NSF Workshop on Conceptualizing a National [Geospatial Software Institute](#) - rescheduled, now taking place 7/14-7/16. Al Rea, Dave Blodgett, and Tad Slaweki submitted a [two-page brief](#) titled “Integrating Practitioner Perspectives Into a National Geospatial Software Institute (GSI)”, and Tad is currently slated to participate in the workshop. Your input and comments appreciated ...
- CUAHSI hydroinformatics conference in Provo, UT at the end of July. CUAHSI is soliciting abstracts for oral and poster presentations deadline April 19:
<http://www.cvent.com/events/2019-cuahsi-conference-on-hydroinformatics/event-summary-ac42882aaf9449b1ae6cf873183686da.aspx>
- National AWRA Conference November 3, 2019 - November 7, 2019
Call for Abstracts deadline May 6, 2019
https://www.awra.org/Members/Events_and_Networking/Events/ANNUAL_WATER_RESOURCES_CONFERENCE.aspx
- Esri User Conference July 6-12 San Diego with annual pre-conference water resources meeting Sunday July 7th.
<https://www.esri.com/en-us/about/events/uc/overview>

- International Conference for Environmental Data Management (www.icedm.net) May 22 - 23, 2019 - Seeking topics and abstracts for presentation.

"CUAHSI's 2019 Spring Cyberseminar Series: Recent advances in big data machine learning in Hydrology"

<https://www.cuahsi.org/education/cyberseminars/2019-spring-cyberseminar-series/>

- Dates, Speakers, and Topics:
- -March 29, 2019 1:00 - 2:00 ET: Machine Learning & Information Theory for Land Model Benchmarking & Process Diagnostics | Grey Nearing, University of Alabama
- -April 5, 2019 1:00 - 2:00 ET: Long Short-Term Memory (LSTM) networks for rainfall-runoff modeling | Frederik Kratzert, Johannes Kepler University
- -April 12, 2019 1:00 - 2:00 ET: Use deep convolutional neural nets to learn patterns of mismatch between a land surface model and GRACE satellite | Alex Sun, University of Texas at Austin
- -April 19, 2019 1:00 - 2:00 ET: Long-term projections of soil moisture using deep learning and SMAP data with aleatoric and epistemic uncertainty estimates | Chaopeng Shen, Pennsylvania State University
- -April 26, 2019 1:00 - 2:00 ET: Exploring deep neural networks to retrieve rain and snow in high latitudes using multi-sensor and reanalysis data | Guoqiang Tang, Tsinghua University
- -May 3, 2019 1:00 - 2:00 ET: Multioutput neural networks for estimating flow-duration curves in ungaged catchments | Scott Worland, Cornell University and USGS
- -May 10, 2019 1:00 - 2:00 ET: Remote sensing precipitation using artificial neural networks and machine learning methods | Kuolin Hsu, University of California, Irvine
- Please send your questions, comments and feedback to: commgr@cuahsi.org

1:55 - 2:00 Adjourn

Next meeting April 26, 2019